21

PAGE

Irs E

In= E.Rx

(Non linear)

RiRm+ Rx (Ri+Rm)

ممكن تكون الله خطية لذا كان السلمية الله قيمنها حيويره جداً الله مقالمة مع الدع التابي سلميم

 $S = \frac{I_m}{I_{fs}} = \frac{R_x (R_i + R_m)}{R_i R_m + R_x (R_i + R_m)}$

R, >> Rm

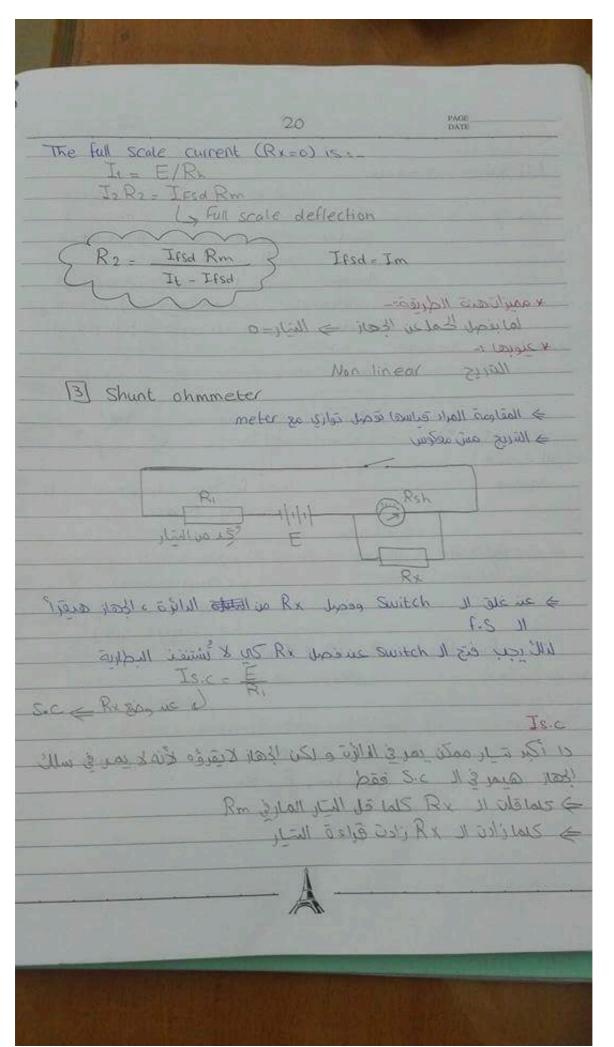
 $S = I_m = R_x$ $I_s = R_m + R_x$

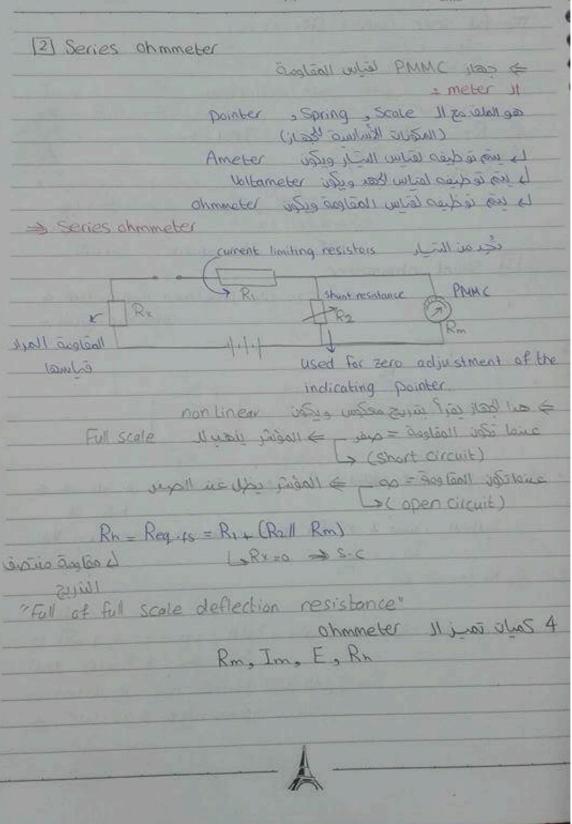
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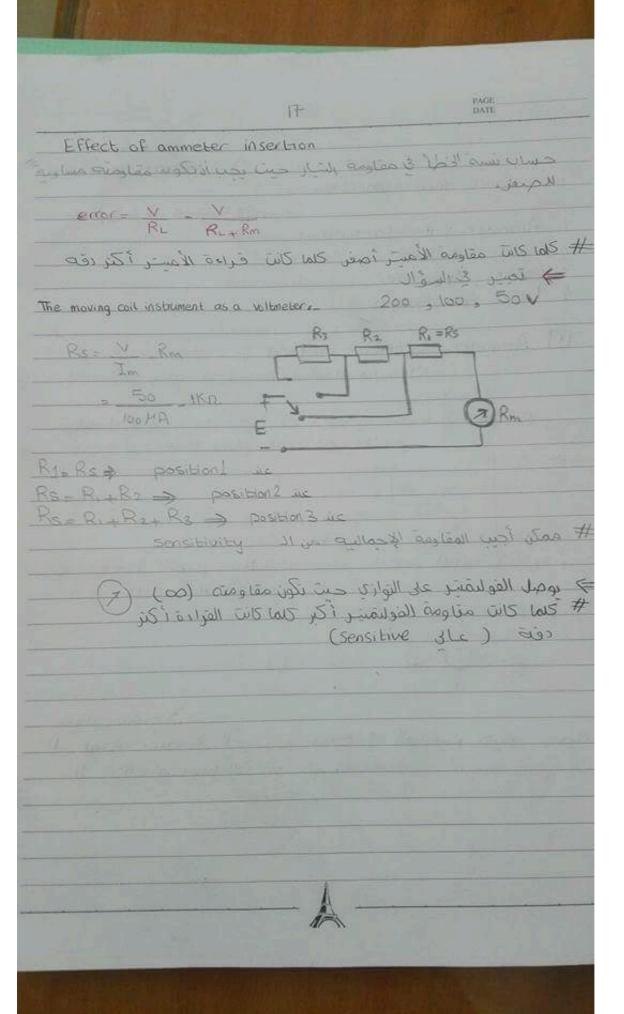
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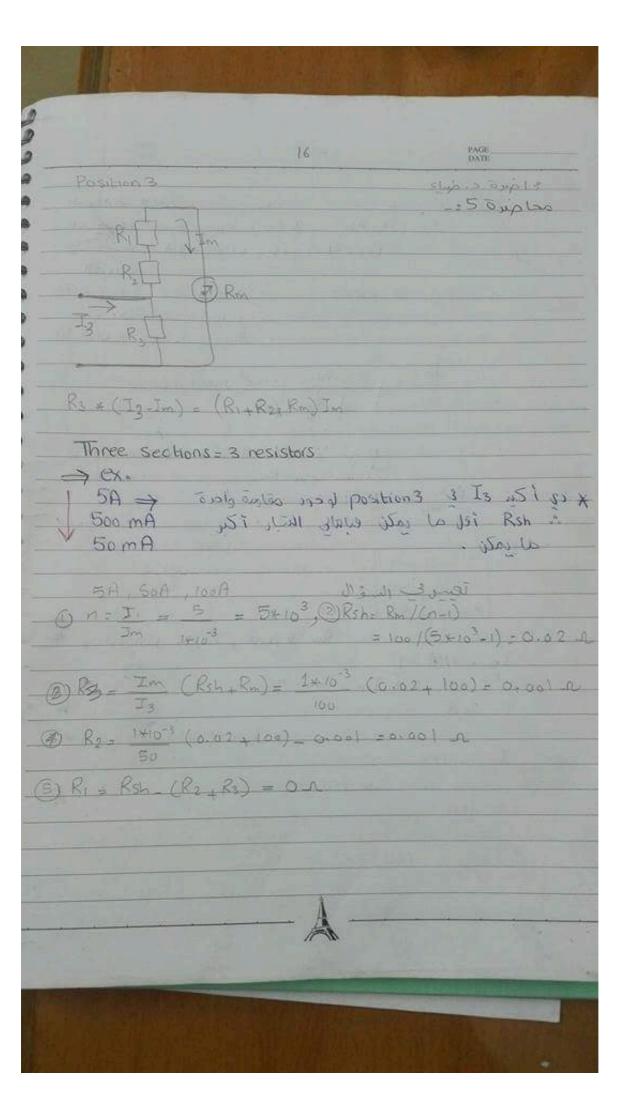
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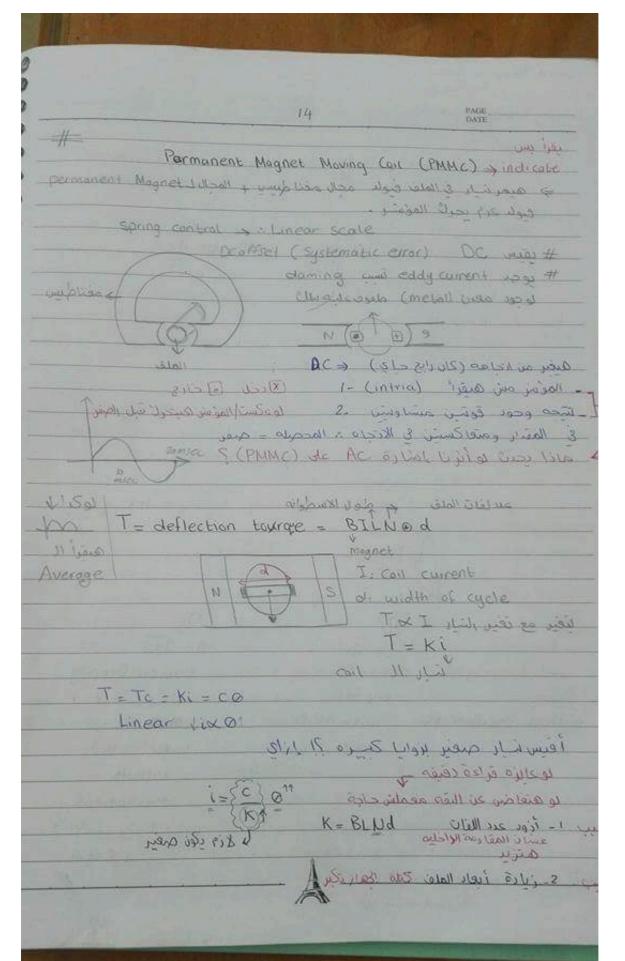








الخصائص الكهرميه ،_	
1- miselli ente avento (MM 20 - MM 025)	
2- حساسية لمرحة الحرارة (تومير وسيلة شريد)	
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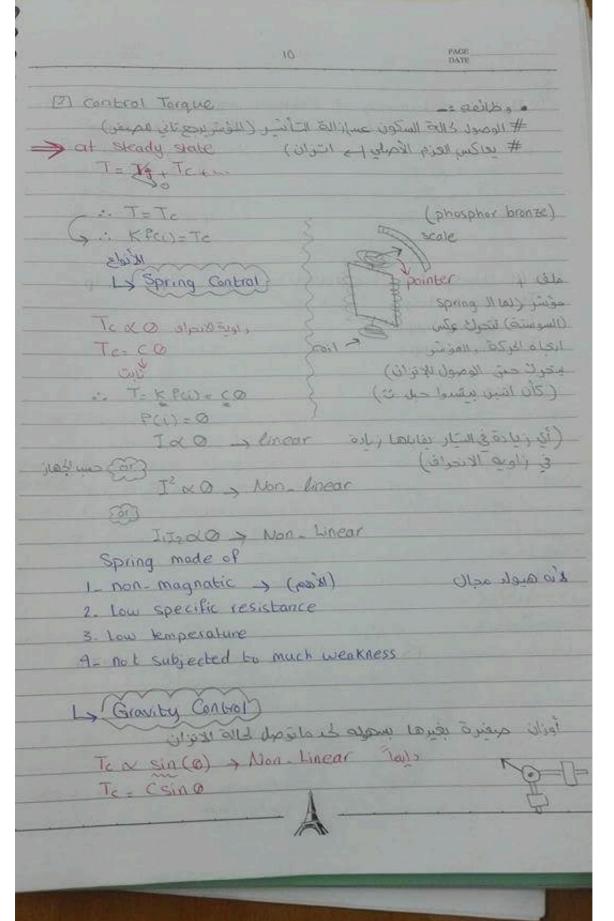
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(b) D>V4cJ Over damping	D< J4CJ Under Damping very fast with Oscillations	D= JACJ Cribical Damping Depthmed Some
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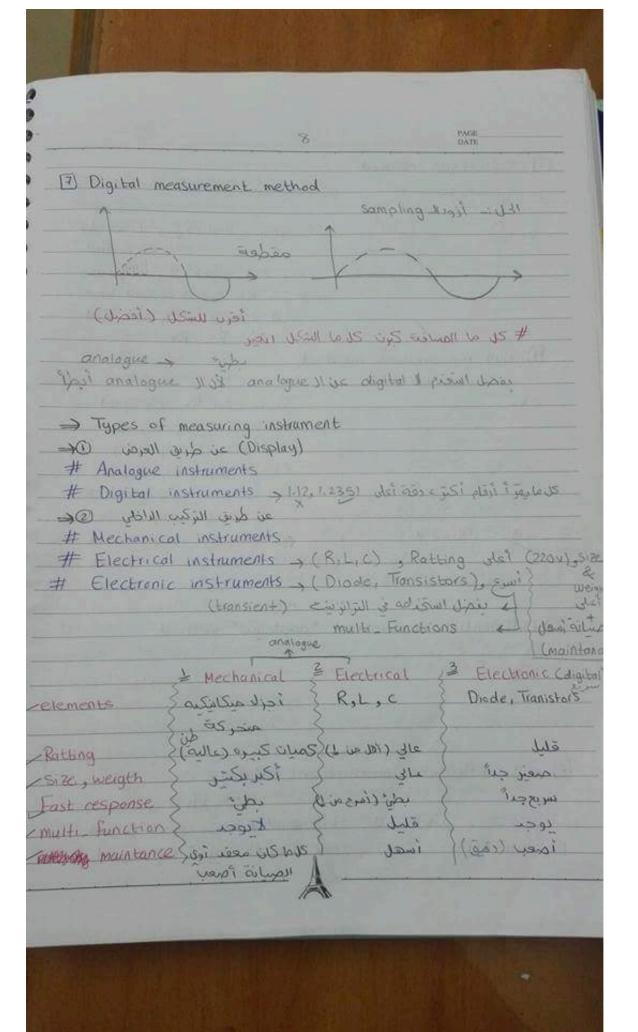
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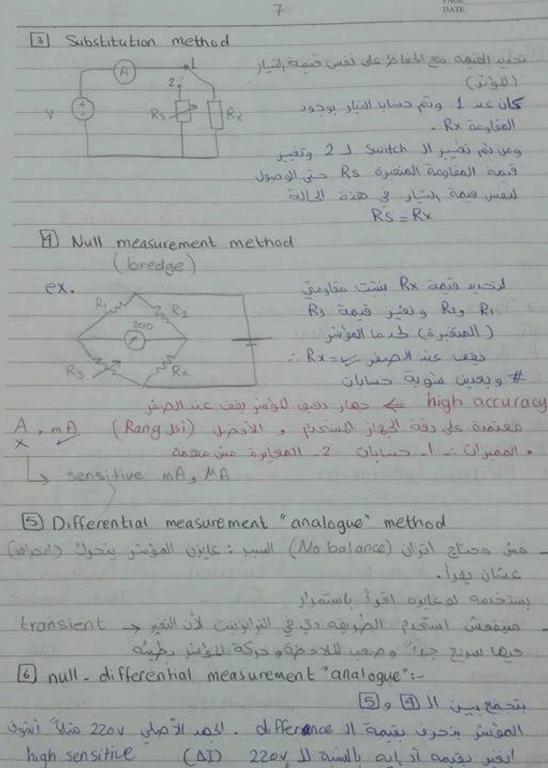
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* Dynamic performance of Analogue instruments .-كيفية الومول من حالة الاتران لحالة أخرى # حركة المؤسر يعتمد على وزن المؤسر T=KFW7 N.M Two Torque نديمد على ا- وع الحمار عـ العزم Magnatic (T) At steady state the deflecting tarque = TI + TC + TD Ty: inertia torque 19-pill pis To: damping torque To: control torque [] Inertia Torque # كَتَلَاهُ الأَحْسَامُ الْمَنْحِرِكَةُ تَسْبِ عَزْمُ فَصُورَ يَعَالَسُ الْعَنْمُ الْأَصَالِي . Transient 3 19,000 equal zero at Sleady State > aul @ (cyl) jught To = 1 JH20 - angular acceleration كلاما الوزن يزيد ال TJ يزيد Orangle of pointer 15 inertia (J) & mass (m) in elektion





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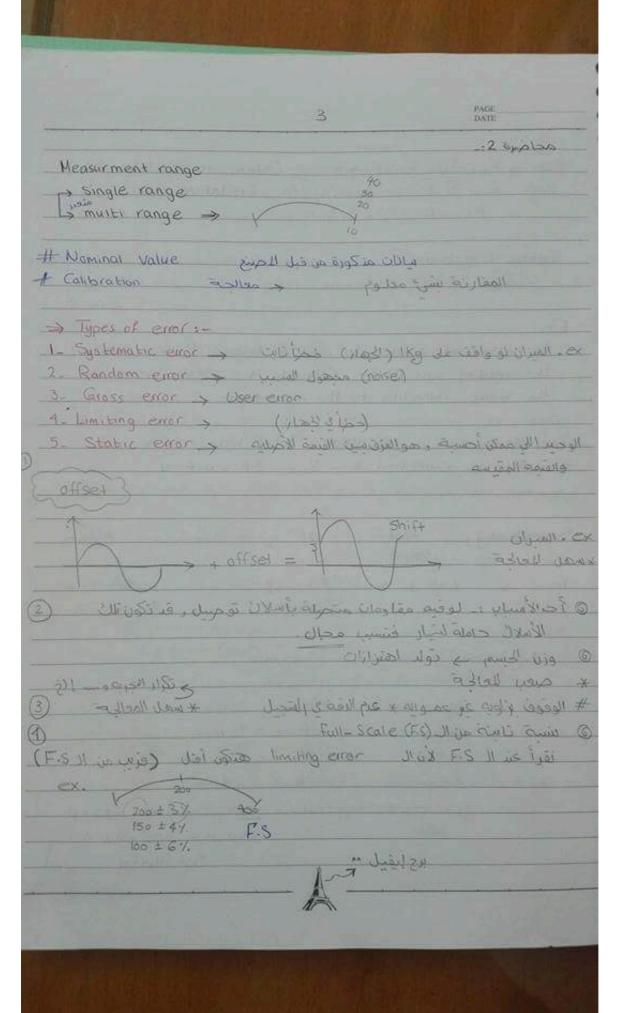
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	Tout put input inp

PAGE measure error > So = SA = Am - Ax + true (Static or absoluter error) Sr= So/At = (Am - At) / At Cretative error) At - Am/ (1+ 8r) Static correction: = S. + " shirt olio (. S. -Ex. An instrument is used to read a Voltage of 120 Vo where the reading was 119.4 v. Calculate the Static error and the Static Correction for the instrument. Static error > 126/2018/20 = 119.4-120 = -0.6 V Static correction > - 80 = - 8A = 0.6 V حس بالاسارة بس مش شرط مكانف 1/0 Sensitivity: input Cutput the fire the section of the literal 20 mm 10 mm - Re llagh cutput_s 10 mm ? 5 20 mm 5A 20 mm 40 mm 0.8 mm 0.2A 012 A 0.4 mm a.Amm O.IA a. 2mm لوردلنا اله ممكن لاهاز ميدسش بيه د لابودر درج . أقل دخل والحمار بدس بمه Sensitivity



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